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silicon AND diffusion AND aluminum AND oxide

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- ☐ 1. [Elementary reaction schemes for physical and chemical vapor deposition of transition metal oxides on silicon for high-k gate ...](#)

**D. Niu / R. W. Ashcraft / M. J. Kelly / J. J. Chambers / T. M. Klein / G. N. Parsons, *Journal of Applied Physics*, Apr 2002**

...oxides and CVD **aluminum-oxide** systems. **Silicon diffusion**, metal-silicon...step. For CVD **aluminum oxide**, interface oxidation...process limited by **silicon diffusion** into the deposited **oxide** layer. © 2002...and energetics. **Diffusion** interface formation...

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- ☐ 2. [Novel sol-gel process depositing  \$\alpha\text{-Al}\_2\text{O}\_3\$  for the improvement of graphite oxidation-resistance](#)

**Bahlawane, N., *Thin Solid Films*, Sep 2001**

...pre-coated with a **silicon oxide** layer. **Aluminum oxide** Coatings Crystallization...procedure Deposition of **aluminum oxide** thin film has been...using non-etched **silicon** wafers. This choice...interaction between **aluminum oxide** and **silicon oxide** in the final...

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- ☐ 3. [The aluminum-silicon eutectic reaction: mechanisms and crystallography](#)

**Makhlouf, M.M. / Guthy, H.V., *Journal of Light Metals*, Nov 2001**

...to allow **diffusion** in the liquid...Al-Si system, **silicon** is a non...isotropic **aluminum** phase. Consequently...long-range **diffusion**, and by a...Some of the **silicon** crystals...undercooling of the **aluminum** phase by...nodes of **aluminum**. Elliott...lateral solute

Your query was rewritten to:

 "silicon diffusion" AND  
 "aluminum oxide"

 We did this by adding  
 quotes to common phrases,  
 and by removing non-  
 essential words.

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Or refine using:

All of the words

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